

**STATE OF NEW HAMPSHIRE DEPARTMENT OF ENERGY**

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
D/B/A EVERSOURCE ENERGY**

**LICENSE NO. CRE 2022-023**

**November 18, 2022**

**License to Construct and Maintain Electric Lines  
Over and Across Public Waters and State-Owned Land in  
Sandwich and Tamworth, New Hampshire**

This license is granted to Public Service Company of New Hampshire d/b/a Eversource Energy (Eversource) to modify and maintain its B112 Line, an existing 115kV transmission line that extends over and across public waters and land owned by the State of New Hampshire in Tamworth and Sandwich, New Hampshire.

The state-owned land through White Lake State Park was previously licensed under D-E3451 (Order No. 6683). The public water and second state-owned land that is the subject of this application have not been previously licensed, but the B112 Line will be licensed in its entirety as a result of this application.

**I. BACKGROUND**

On November 3, 2022, Eversource filed an application with the N.H. Department of Energy (Department), pursuant to RSA 371:17, requesting a license to construct and maintain its B112 Line, a 115kV electric transmission line that extends over and across state-owned land and public waters in Tamworth and Sandwich, New Hampshire. On November 10, the Department's Enforcement Division Staff filed a recommendation that the application be approved, and a license granted, based on the application filings, applicable statutes, rules, NESC requirements, and land ownership, as well as public need, safety, and impact. The application and subsequent docket filings are posted to the Department's website

(energy.nh.gov) at Utility Crossings Over State Lands and Public Waters | NH Department of Energy.

## II. SUMMARY OF LICENSE

### A. Crossing Locations and Construction

This license pertains to Eversource's B112 Line, a 115kV electric transmission line that extends over and across state land owned by the State of New Hampshire and public waters of Swift River in Tamworth, as well as state land owned by the State of New Hampshire and public waters of Cold River in Sandwich, New Hampshire. The B112 Line crosses the public water of the Cold River in the town of Sandwich between existing structures 182 and 183 (new structure numbers 181 and 182), which span commences approximately 250 feet east from where the B112 Line crosses Cold River Road in Sandwich, which is approximately 475 feet west to the intersection of Cold River Road and Foss Flats Road. The public water crossing extends east approximately 58 feet to the east side of the Cold River, which abuts a large sand and gravel processing area.

The location of Structures 181 to 182 creates a total span of 532.6 feet, with a span of 58.3 feet over and across the Cold River.

The B112 Line crosses state-owned land in the town of Tamworth between existing structures 207 through 215 (new structure numbers 206 through 214), which span commences approximately 3,100 feet southeast from where the B112 Line crosses Bunker Hill Road, which is approximately 700 feet southwest from the intersection of Bunker Hill Road and Durell Road in Tamworth. The state land crossing extends southeast approximately 1,000 feet, where it changes direction and extends an additional 1,150 feet east to the property boundary with Map 419, Lot 7, which is approximately 6,500 feet west from where the B112 Line crossings Durell

Road, which is approximately 825 feet northwest from the intersection of Acorn Lane and Durell Road in Tamworth.

The location of Structures 206 to 214 creates a total span of 3,619.3 feet, with a span of 3,505.4 feet over and across state-owned land.

The B112 Line crosses the public water of the Swift River in the town of Tamworth between existing structures 239.5 and 240 (new structure numbers 237 and 238), which span commences approximately 1,250 feet east from where the B112 Line crosses Tamworth Road (aka NH Route 113) in Tamworth, which is approximately 450 feet south from the intersection of Hollow Hill Road and Tamworth Road (aka NH Route 113). The public water crossing extends east approximately 16 feet and 44 feet, respectively, to the east side of two channels of the Swift River, and terminates at the east side of the Swift River, which coincides with the property boundary between Map 415, Lot 78 and Map 415, Lot 69 in Tamworth, and is located approximately 1,700 feet west from where the B112 Line crosses Depot Road, which is approximately 3,000 feet southeast from the intersection of Depot Road and Tamworth Road (aka NH Route 113).

The location of Structures 237 to 238 creates a total span of 739.2 feet, with a span of 61.3 feet over and across the Swift River (two channels combined).

The B112 Line crossings state-owned land in the town of Tamworth between existing structures 261 through 266 (new structure numbers 258 through 263), which span commences approximately 7,500 feet east from where the B112 Line crosses Tamworth Road (aka NH Route 113), which is approximately 450 feet south from the intersection of Hollow Hill Road and Tamworth Road (aka NH Route 113). The state land crossing extends east approximately 1,850 feet to the property boundary with Map 214, Lot 214, which is approximately 440 feet

west from where the B112 Line crosses Power Line Road, which is approximately 2,400 feet west from the intersection of Power Line Road and Maple Road in Tamworth.

The location of Structures 258 to 263 creates a total span of 2,077.6 feet, with a span of 1,850 feet over and across state-owned land.

The proposed project for the B112 encompasses a structure replacement and reconductoring project. All existing structures at the public waters and state-owned land crossing spans will be replaced with weathering steel equivalents. Structure 212 will be removed and permanently eliminated. The replacement structures will be renumbered accordingly. The three existing phase conductors will be replaced using 1272 Kcmil ACSS 54/19. In addition, the single pole top mounted shield wire will be replaced with an optical ground wire communication cable and a second pole top optical ground wire (OPGW) will also be added.

#### **B. Regulatory Requirements**

Eversource is responsible for obtaining any and all other federal, state, or local permits required by authorities having jurisdiction for the construction and installation of the proposed crossing. Eversource will obtain a New Hampshire Department of Environmental Services (NHDES) Statutory Permit Notification (SPN), and Shoreland Permit Notification (PBN). This will be required for temporary impacts associated with the structure replacements described in this application and will be obtained prior to commencement of construction.

The U.S. Army Corps of Engineers (ACOE) does not regulate the subject portion of the Cold River and Swift River as navigable waters. As a result, a crossing permit from ACOE is not required.

### **C. Property Rights**

According to Eversource, the structure replacements, conductor replacements and OPGW installation work will be accomplished within existing right-of-way easements, thereby mitigating impacts and concerns of property owners affected by the project scope.

### **D. Service to the public and the Effect on Public Rights**

According to the application, the existing crossings were constructed, operated, and maintained to meet the reasonable requirements of service to the public. Eversource affirmed that the proposed modifications will continue to meet that public need and will not substantially affect the public's use and enjoyment of the state land parcels in Tamworth and Sandwich, or the public waters of the Swift River in Tamworth and Cold River in Sandwich.

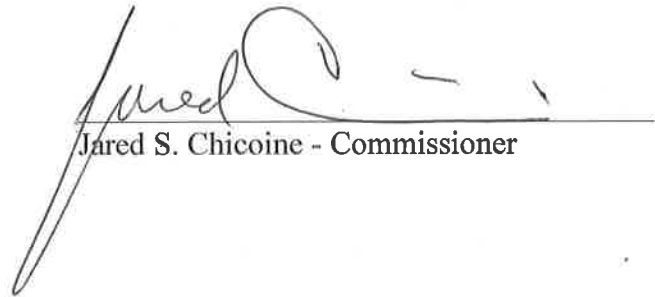
The line modifications are designed and will be constructed and maintained in accordance with the 2012 National Electrical Safety Code (NESC). The clearance requirement with respect to the water crossing was calculated using the 100-year flood level, which is a more conservative analysis than the NESC 10-year flood clearance requirement.

## **III. DEPARTMENT DECISION**

Eversource is authorized, pursuant to RSA 371:17, et seq., to construct, install, operate, and maintain electric lines over and across State land in Tamworth and Sandwich and the public waters of the Swift River in Tamworth and Cold River in Sandwich, as described in its application and depicted in its filings and as specified in the Enforcement Division's recommendation. Based on the factual representations set forth in the application and the recommendation, the Department finds that the requested crossing amendments are necessary to meet the reasonable requirements of reliable service to the public, as required by RSA 371:17, and that the requested license may be exercised without substantially affecting public rights in

the subject land and public waters at the crossing locations in Tamworth and Sandwich, New Hampshire, as required for approval under RSA 371:20. Therefore, the application is approved.

By order of the Department of Energy of New Hampshire this 18th day of November 2022.



Jared S. Chicoine - Commissioner